Amendm nts to the Claims

Claim 1-75 (Cancelled).

Claim 76 (Currently amended): A process for ~~increasing the isomeric purity of~~ purifying chlorofluorinated compounds comprising:

providing a first mixture comprising both first and second isomers of a C-3 chlorofluorinated ~~isomers~~ compound, the first mixture having a first ratio of the first isomer to the second isomer; and

~~heating said~~ contacting the mixture ~~in the presence of~~ with a catalyst ~~at a sufficient temperature to reduce the amount of at least one of the chlorofluorinated compound isomers~~ to form a second mixture comprising a second ratio of the first isomer to the second isomer, wherein the first ratio is less than the second ratio.

Claim 77 (Currently amended): The process of claim 76 wherein the C-3 chlorofluorinated compound ~~isomers comprise CFC-216aa~~ comprises $C_3F_6Cl_2$, the first isomer comprises $CF_3CCl_2CF_3$, and ~~CFC-216ba~~ the second isomer comprises $CF_3CClFCF_2Cl$.

Claim 78 (Currently amended): The process of claim 76 wherein the C-3 chlorofluorinated compound ~~isomers comprise CFC-217ba~~ comprises C_3F_7Cl, the first isomer comprises $CF_3CClFCF_3$, and ~~CFC-217ca~~ the second isomer comprises $CF_3CF_2CF_2Cl$.

Claim 79 (Currently amended): The process of claim 76 wherein the catalyst comprises ~~a~~ chromium ~~containing catalyst~~.

Claim 80 (Currently amended): The process of claim 76 wherein the contacting further comprises heating the mixture to a temperature ~~is~~ of from about 250°C to about 350°C.

Claim 81 (Original): The process of claim 80 wherein the temperature is about 280°C.

Claims 82-88 (Cancelled).

Claim 89 (New): The process of claim 76 further comprising separating at least a portion of the first isomer from the second mixture.

Claim 90 (New): The process of claim 89 wherein the separating comprises distilling the second mixture to form a solution comprising the portion of the first isomer.